

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002987

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 G01G 7/00 B04B 11/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01G 7/00, 11/00, B04B 11/00, 13/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 07080355 A (KUBOTA SEISAKUSHO KABUSHIKI KAISHA) 28 Mar. 1995 see abstract; paragraphs [0010] and [0022]~[0024]; Figures 2, 10, 12, and 13	1-3
X	JP 56108916 A (TOYODA GOSHI CO. LTD.) 28 Aug. 1981 see abstract; claim 1; column 5, line 16 ~ column 7, line 6; Figure 2	1-3
A	EP 1370363 A1 (DOU-HA BAIK AND HEUI-GEUN RYU) 17 Dec. 2003 see the whole document	1-3
A	JP 10038667 A (ISHIDA CO. LTD.) 13 Feb. 1998 see the whole document	1-3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	


Date of the actual completion of the international search

28 FEBRUARY 2005 (28.02.2005)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea
Facsimile No. 82-42-472-7140

Authorized officer

KIM, Sang Hee

Telephone No. 82-42-481-5974



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Information on patent family members

International application No.

PCT/KR2004/002987

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 07080355 A	28.03.1995	NONE	
JP 56108916 A	28.08.1981	NONE	
EP 1370363 A1	17.12.2003	KR 2001067837 A	13.07.2001
		EP 1370363 A4	06.05.2004
		EP 1370363 B1	26.01.2005
		JP 2004519327 T2	02.07.2004
		US 2004018927 A1	29.01.2004
		WO 2002083317 A1	24.10.2002
JP 10038667 A	13.02.1998	NONE	